

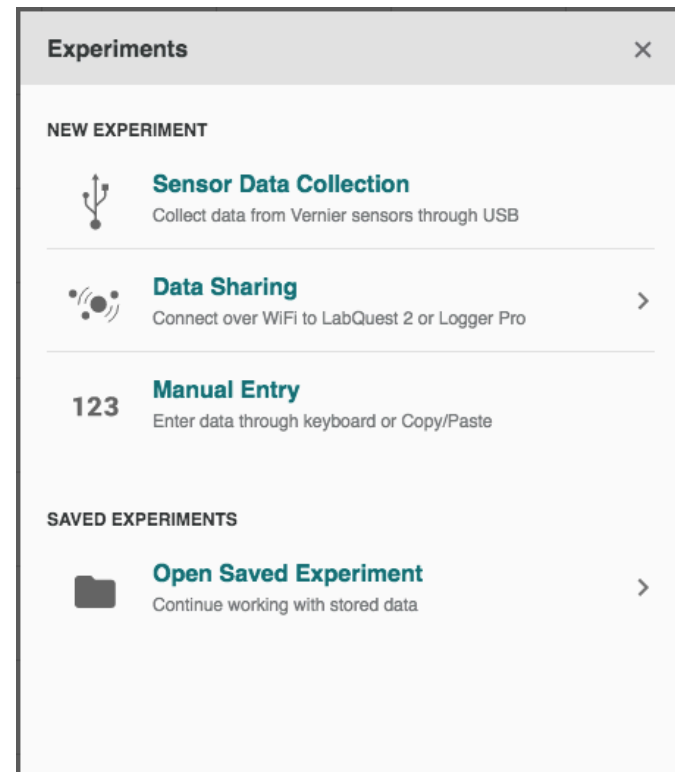
Graphical Analysis Primer

Chromebook

As GA boots up, an **Experiments** dialog box will ask if you want to start a new experiment or open a saved one. This box will also appear when the **+** in the upper left corner is clicked from the graph screen.

Data can be collected via a USB connection or via wifi using a LabQuest 2 or computer running Logger Pro (An LQ 2 can send data to multiple Chromebooks). The Chromebook and other device must be on the same wireless network. Manual Entry allows you to type in your own data.

The graphic on the following page shows the Graph Screen when a USB connection is used and a temperature probe is connected.





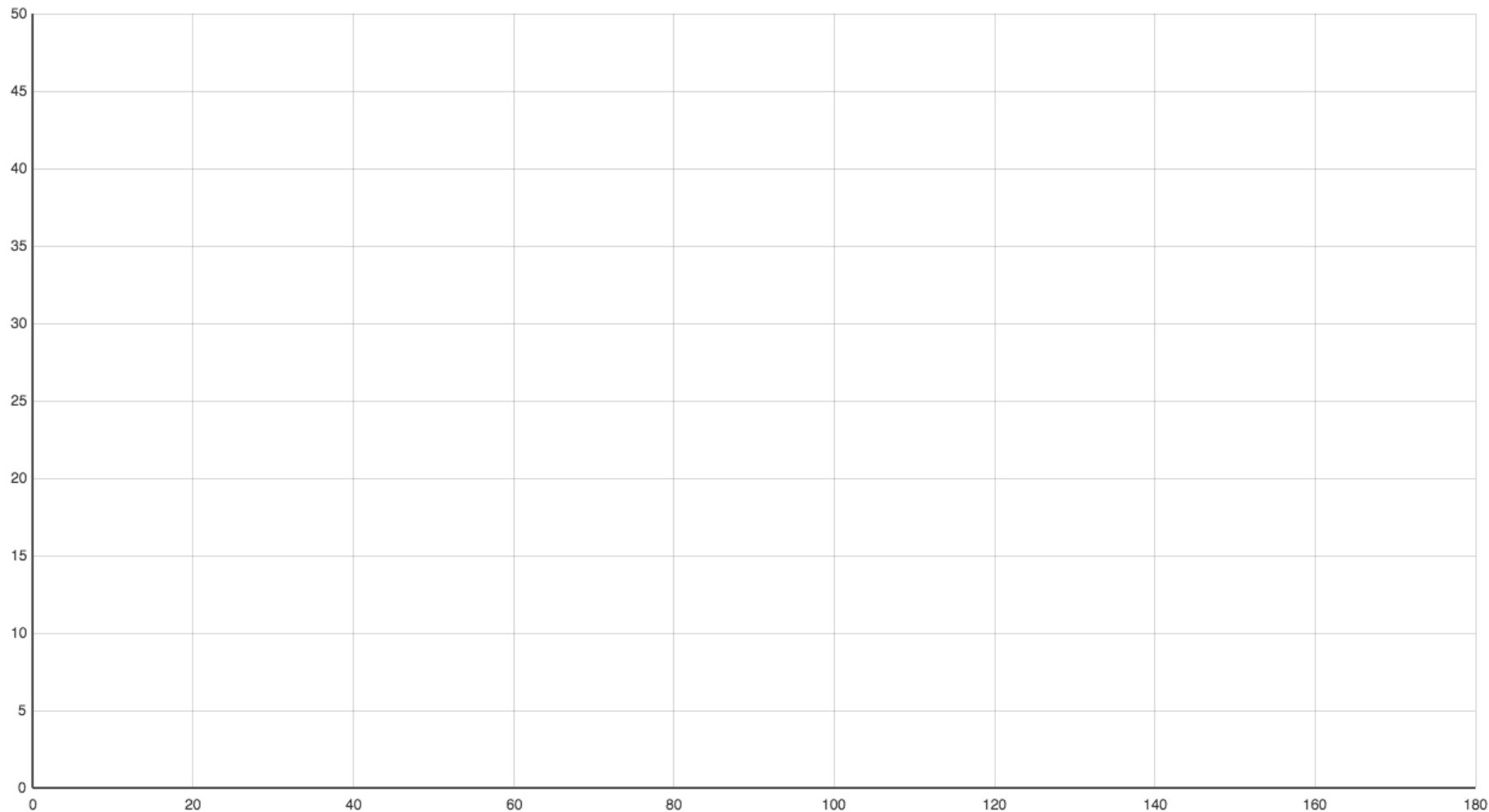
Experiment 2

File auto-saving enabled

COLLECT



Temperature (°C)



Mode: Time Based Rate: 2 samples/s

Temperature: 25.463 °C

If you click the Mode box in the lower left corner, a **Data Collection Settings** dialog box will appear. The data collection mode can be set as well as the data collection rate.

If you click the graph icon in the lower left corner, a **Graph Options** dialog box will appear. This will allow you to set the scale on the graph etc.

Graph Options

Title

Add a graph title here

Appearance

☒ Points

☐ Lines

☐ Both

Horizontal Range

0.000

to

10.000

Left

Right

Vertical Range

0.000

to

1.000

Bottom

Top

Back

Done

Data Collection Settings

Mode

Time Based

Time Units

s

Rate

2

samples/s

Interval

0.5

s/sample

Start Collection

☒ Manually

☐ On a triggering event

End Collection

☒ After

10

s duration

☐ Manually

Total samples:

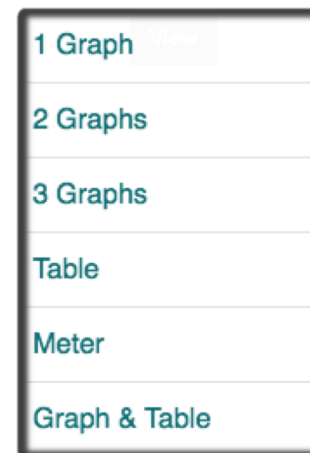
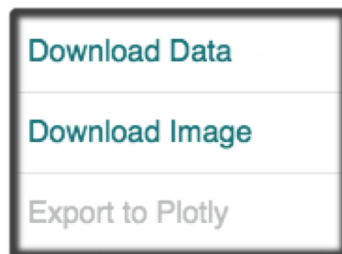
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CANCEL

DONE

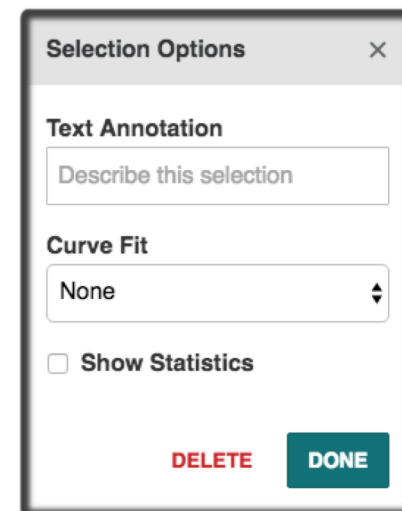
If you click the box icon in the upper right, a dialog box will allow you to select what is displayed.

If you click the arrow icon in the upper right, a dialog box will allow you to select export options.



Click and drag to select a region of interest on the graph. A dialog box will appear to allow analysis of the graph such as statistics or curve fitting.

Each time you hit the **Collect** button, a new data set will run. Click on the label on the y-axis to select which data sets are displayed.



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